

## REMARKS

Claims 1-15 and 21-26 are pending in this application. Claims 2 and 13-15 have been amended. Claims 11, 12 and 26 have been cancelled.

### Claims 11-12, and 26 are Rejected Under 35 U.S.C. §102

Claims 11-12, and 26 are rejected under 35 U.S.C. §102(e) as being anticipated by Gopalakrishnan (US 5,787,211) as discussed in the previous office action. The Examiner stated that

Gopalakrishnan discloses a resonant optical modulator with all the limitations set forth in the claims, including: an electro-optical substrate (Fig. 2); an optical waveguide having variable index of refraction in response to modulating signals supplied by active modulator electrode at a resonant frequency (column 7 lines 7-60); an electrical structure formed on the substrate, closing the transmission line on itself such that the circuit is either open or short-circuited and the impedance of the terminal being effectively matched to that of the electrode so as to eliminate the effect of impedance mismatch between the signal source and the electrode (column 3 lines 36-42; column 6 line 62-column 8 line 6); at least one of the modulator electrode being connected to ground (Fig. 2); such modulators having typical operating resonant frequency of around 2 Ghz (column 2 line 53).

The rejected Claims 11, 12 and 26 have been cancelled.

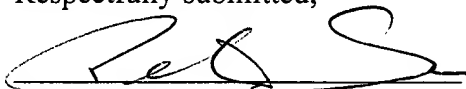
Claims 13-15 have been amended, as suggested by the Examiner, to incorporate the limitations of the base claim and any intervening claims. It is respectfully submitted that amended Claims 13-15 are now allowable.

Conclusion

Claims 1-10, 13-15, and 21-25 are pending in this application. In view of the amendments to the claims and the above remarks, Applicants respectfully request allowance of these pending Claims. If the Examiner's action is other than allowance, the Examiner is invited to telephone Applicants' attorney at the number noted below.

December 8, 2003  
Date

Respectfully submitted,



Peter C. Su  
Attorney for Applicants  
Registration No. 43,939


Customer No: 36430

Law Offices of Peter C. Su  
P. O. Box 878  
Menlo Park, CA 94026-0878

Tel: 650.280.9300  
Fax: 650.325.0553

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Peter C. Su

12-8-2003  
Date